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Chapter 3 General Information Input

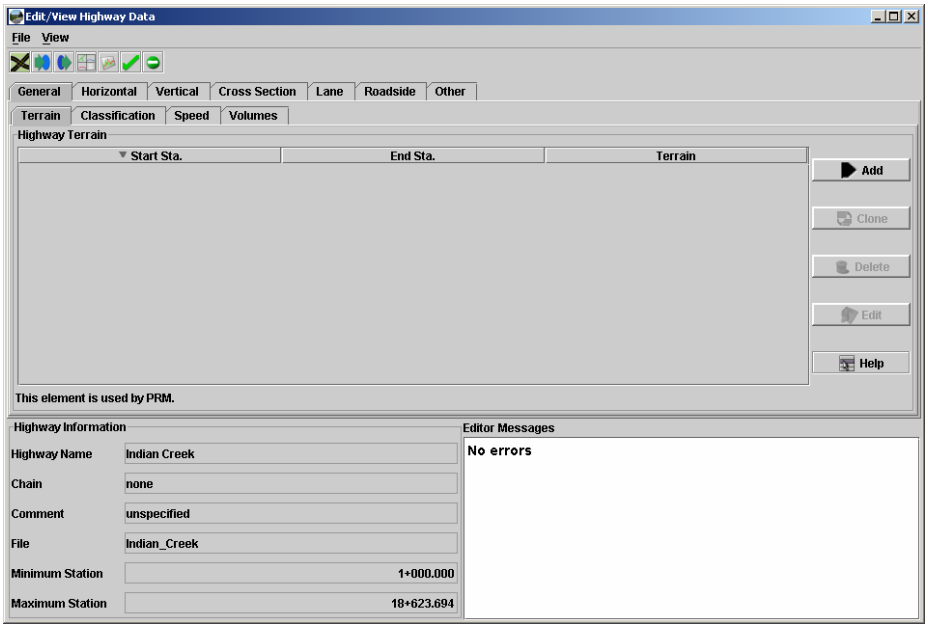
From the General Information tab in the Edit/Highway Data dialog box the following data may be set:

- Terrain
- Roadway Classification
- Design Speed
- 85th Percentile Speed
- Posted Speed
- AADVT
- Design Hourly Volume
- Peak Hourly Volume

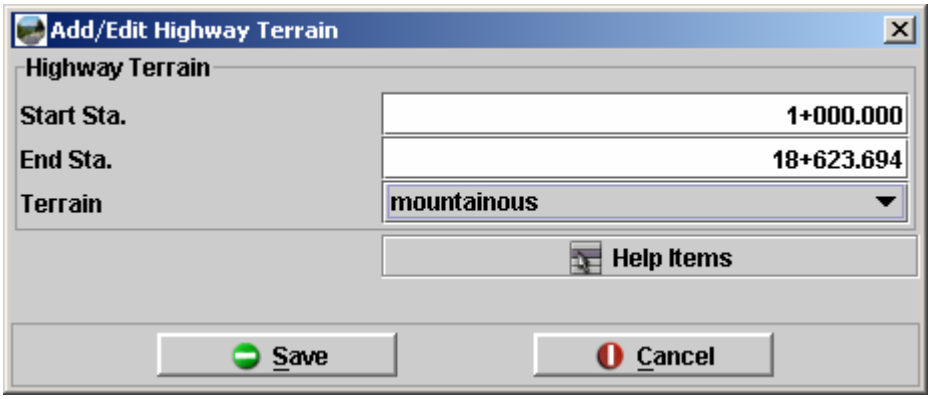
The following workflows will guide the user on how to input each set of data using IHSDM. The title of the workflow will also indicate the modules that use that data in parenthesis. Therefore, if the user does not want a certain module, they will not waste time importing data that is not needed.

Workflow 1: Terrain Data (PRM)

1. *Pick the Edit/View Highway Data button*  *while in the Main IHSDM Dialog box. This dialog box is shown in step 16 of workflow 2 in chapter 2.*
2. *Click on the General>Terrain Tabs and the following dialog box will appear:*



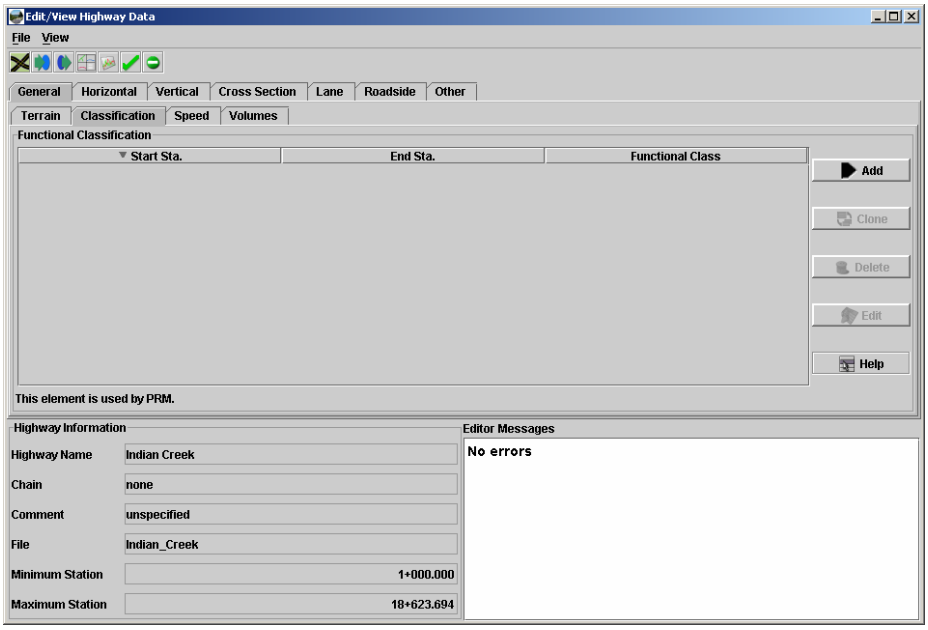
3. *Pick the Add button at the right of the dialog box to get the following dialog box:*



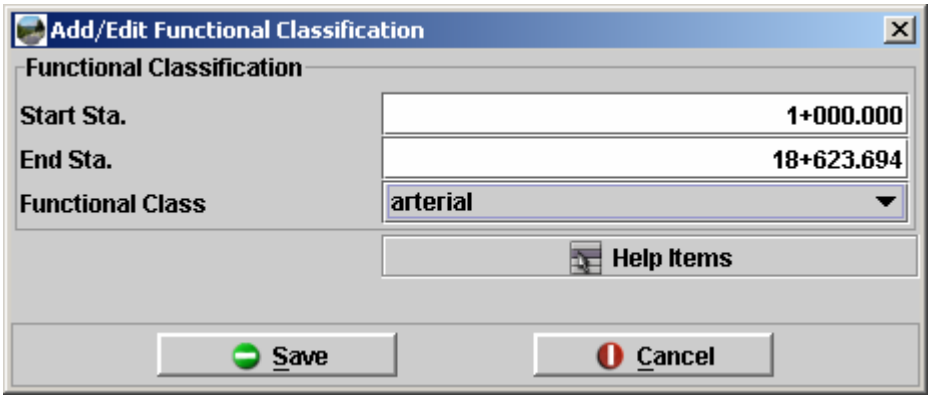
Fill in the proper information and pick Save. Notice that IHSDM filled the fields with the beginning and ending stations. If the terrain changes within the project, additional lines can be added by simply picking the add button again.

Workflow 2: Classification data (PRM)

1. *Click on the General>Classification Tabs of the Edit/View Highway Data dialog box to get the following dialog box:*



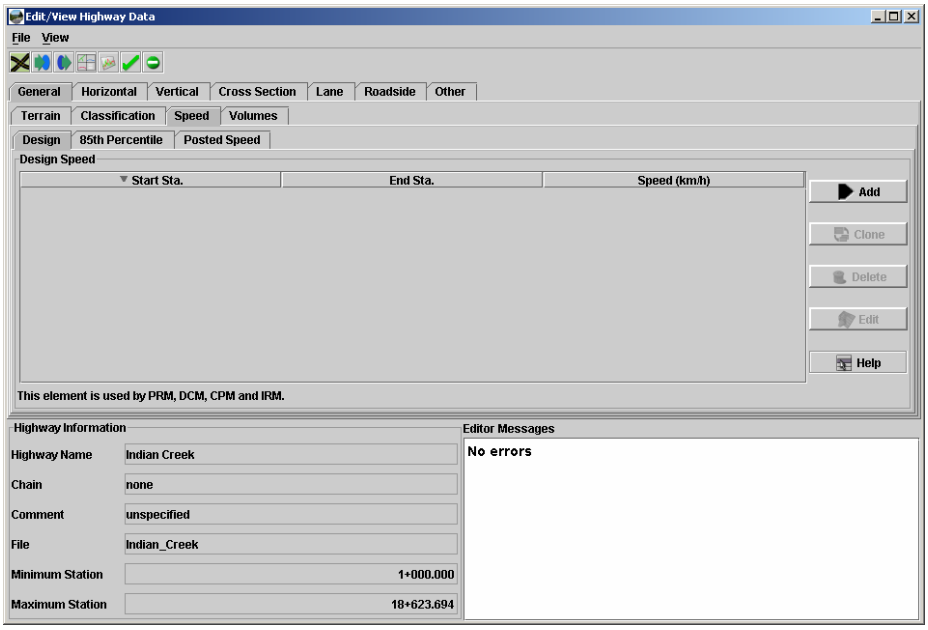
2. *Pick the Add button to get the following dialog box:*



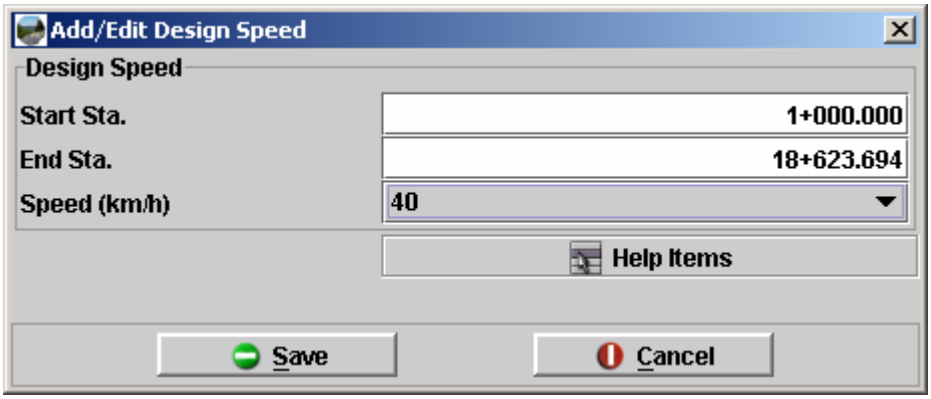
Fill in the proper information and pick Save. Notice that IHSDM filled the fields with the beginning and ending stations. If the Classification changes within the project, additional lines can be added by simply picking the Add button again.

Workflow 3: Design Speed (PRM, DCM, CPM, IRM)

1. *Click on the General>Speed>Design Tabs of the Edit/View Highway Data dialog box to get the following dialog box:*



2. *Pick the Add button to get the following dialog box:*

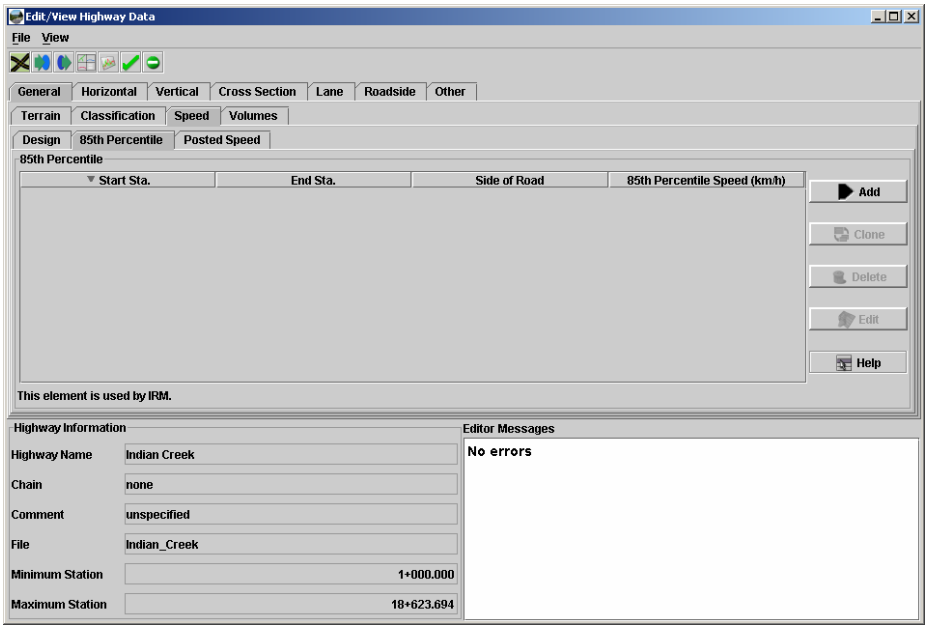


Fill in the proper information and pick Save. Notice that IHSDM filled the fields with the beginning and ending stations. If the Design Speed changes within the project, additional lines can be added by simply picking the Add button again.

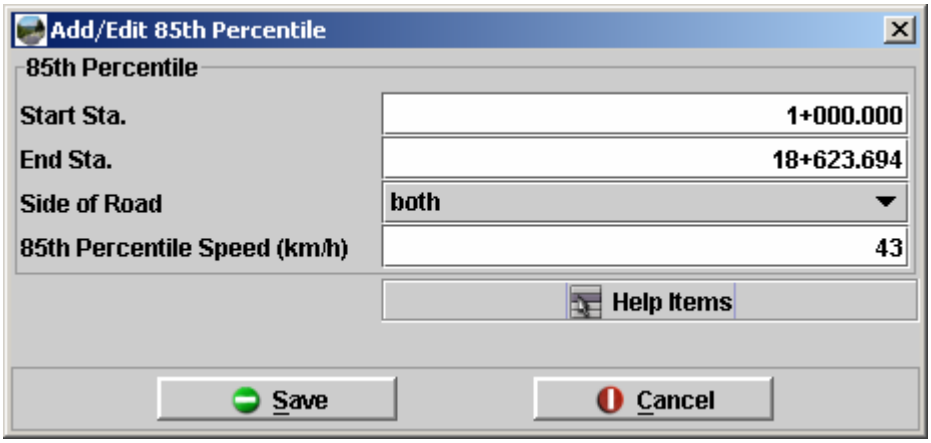
DCM output includes an estimated 85th percentile operating speed profile. The value the user can put into the following workflow will either be the predicted 85th percentile or an observed 85th percentile for the purposes of the Intersection Review Module.

Workflow 4: 85th Percentile Speed (IRM)

1. *Click on the General>Speed>85th Percentile Tabs of the Edit/View Highway Data dialog box to get the following dialog box:*



2. *Pick the Add button to get the following dialog box:*

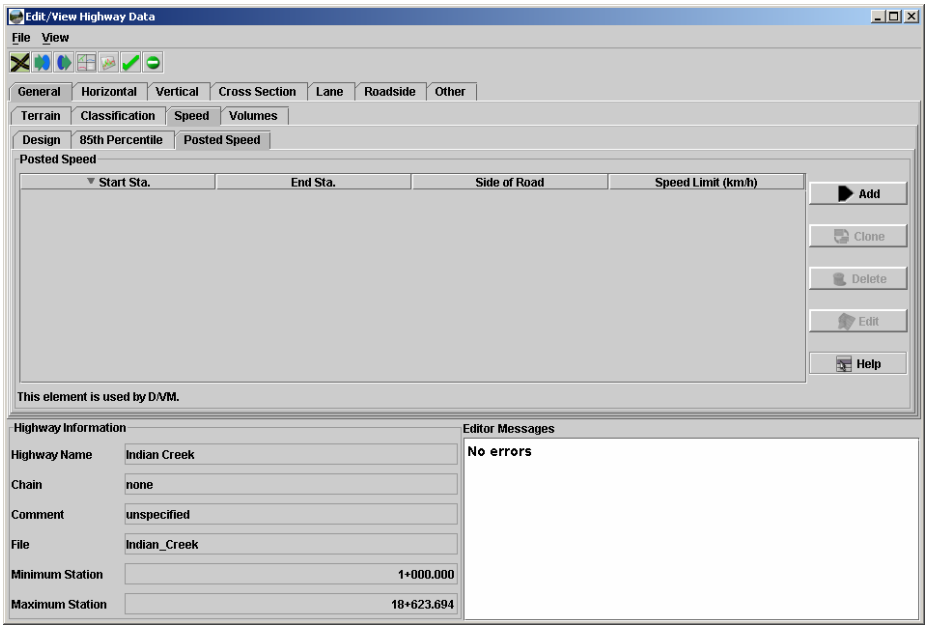


Fill in the proper information and pick Save. Notice that IHSDM filled the fields with the beginning and ending stations. If the 85th Percentile Speed changes within the project, additional lines can be added by simply picking the Add button again.

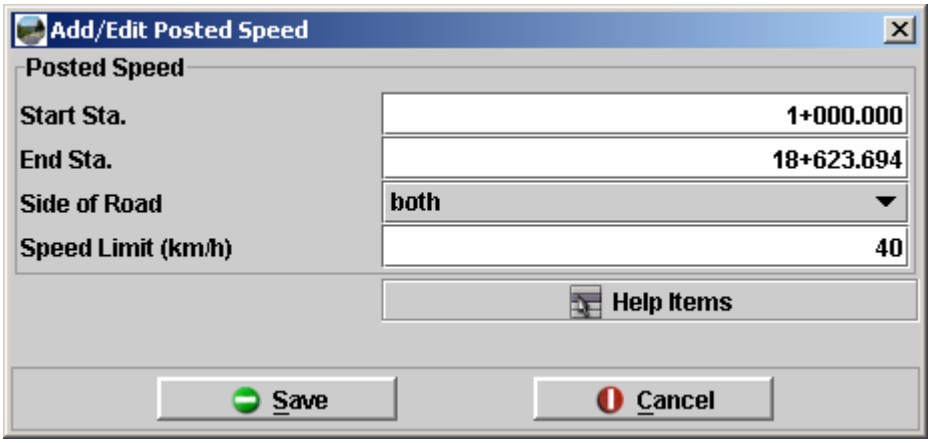
The following workflow is for use in the Driver/Vehicle module. The user will not need to add any information to the Posted Speed dialog box until this module is available.

Workflow 5: Posted Speed (D/VM)

1. *Click on the General>Speed>Posted Speed Tabs of the Edit/View Highway Data dialog box to get the following dialog box:*



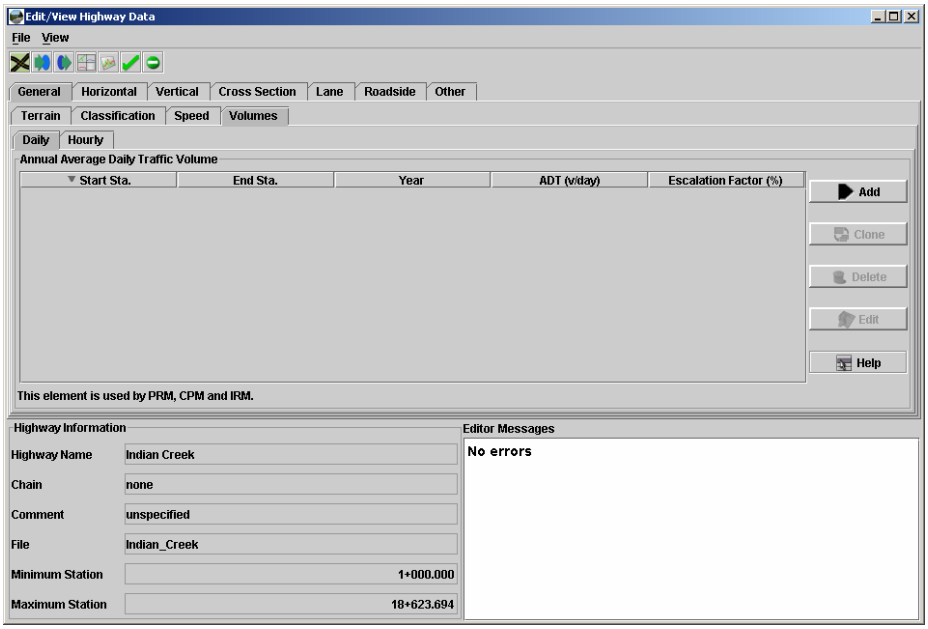
2. *Pick the Add button to get the following dialog box:*



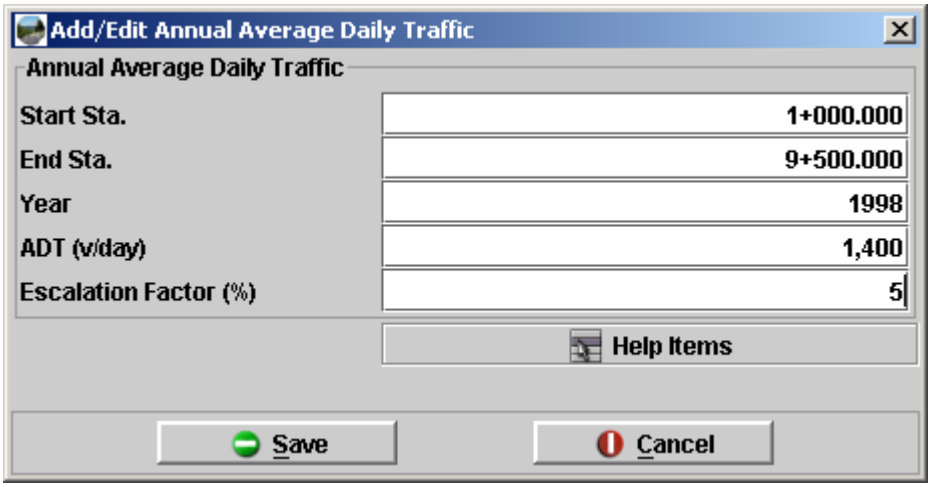
Fill in the proper information and pick Save. Notice that IHSDM filled the fields with the beginning and ending stations. If the Posted Speed changes within the project, additional lines can be added by simply picking the Add button again.

Workflow 6: AADTV (PRM, CPM, IRM)

1. *Click on the General>Volumes>Daily Tabs of the Edit/View Highway Data dialog box to get the following dialog box:*



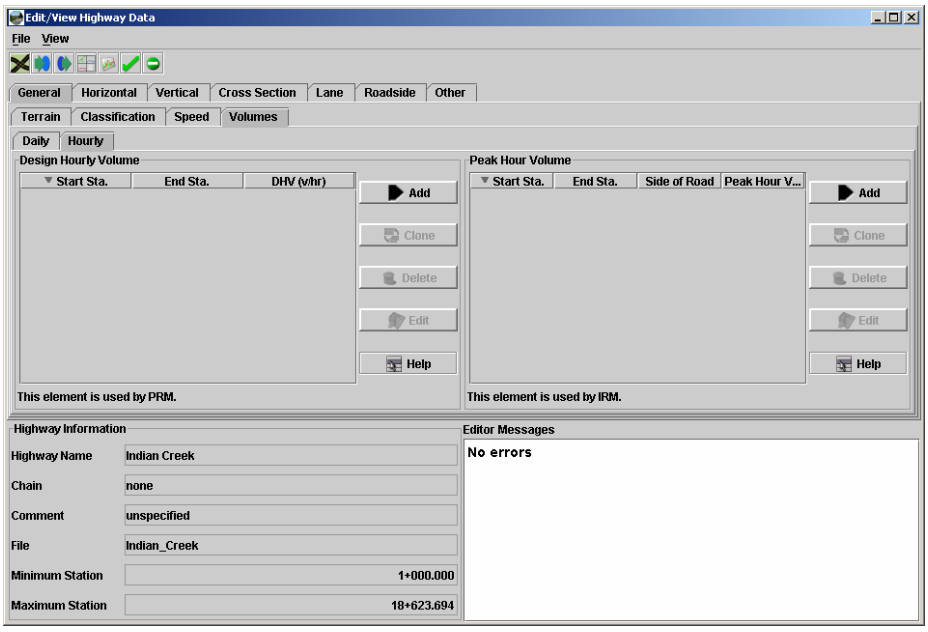
2. *Pick the Add button to get the following dialog box:*



Fill in the proper information and pick Save. If the AADVT changes within the project, additional lines can be added by simply picking the Add button again.

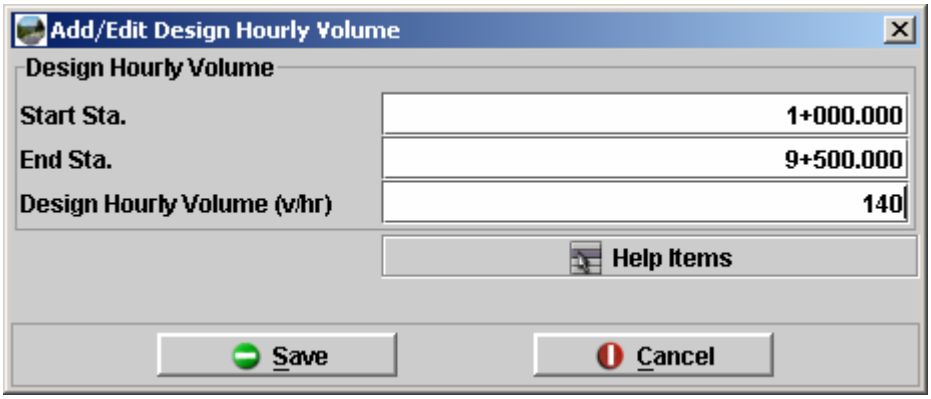
Workflow 7: Design and Peak Hourly Volumes (PRM, TAM, and IRM [PHV])

1. *Click on the General>Volumes>Hourly Tabs of the Edit/View Highway Data dialog box to get the following dialog box:*

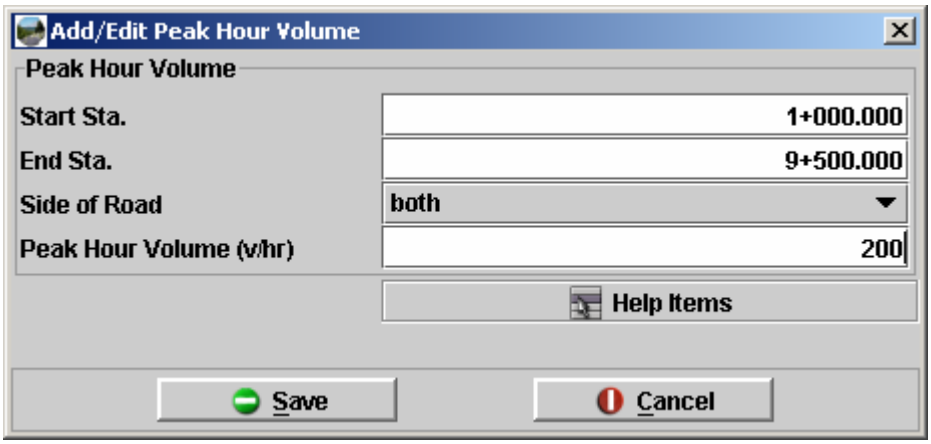


Notice that this dialog box has two sections. Design Hourly Volume and Peak Hour Volume.

2. *Pick the Add button in the Design Hourly Volume section to get the following dialog box:*



3. *Fill in the proper information and pick Save. If the Design Hourly Volume changes within the project, additional lines can be added by simply picking the Add button again.*
4. *Pick the Add button in the Peak Hour Volume to get the following dialog box:*



5. *Fill in the proper information and pick Save. If the Peak Hourly Volume changes within the project, additional lines can be added by simply picking the add button again.*

Using an Excel file

The Excel file with the correct format for importing General Information into IHSDM is DEA.General.xls. This file can be found in:

N:\Standards\IHSDM\

or on the CFLHD web site at the following link:

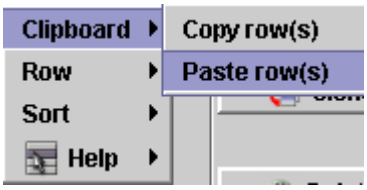
http://www.cflhd.gov/ihsdm.cfm

When you open this file, there is a read me worksheet along with 8 other worksheets that will be used to input all the general information. Each worksheet will describe what each variable is and what it is used

for. The following workflow will describe the process for entering this information into IHSDM.

Workflow 8: Excel Input

1. *Enter the correct data in the Excel spreadsheet.*
2. *Highlight the entered data and go to Edit>Copy.*
3. *Click on the General Tab of the Edit/View Highway Data dialog box.*
4. *Pick the corresponding tab for the data to be inserted.*
5. *Pick the Add button.*
6. *Put dummy information in the data fields. Pick the Save button. This creates a line in the Edit/View Highway Data dialog box. The user will delete this line after the correct information is imported.*
7. *With the mouse over the line just put in, right mouse click to get the following dialog box:*



8. *Choose Clipboard>Paste row(s). The information will be loaded into IHSDM.*
9. *Delete the line with the incorrect data.*

Notice that this procedure is most useful when there are more than a couple of lines of data.